THIS APPLIANCE IS MANUFACTURED BY:



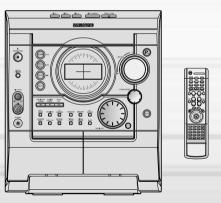


## **THREE-DVD MINI COMPONENT SYSTEM**

DVD/VCD/CD/MP3-CD/CD-R/RW **PLAYBACK** 

MAX-DJ550

## **Instruction Manual**















## **Safety Warnings**

CLASS 1 LASER PRODUCT KLASSE 1 LASER PRODUKT LUOKAN 1 LASER LAITE KLASS 1 LASER APPARAT PRODUCTO LASER CLASE 1



## CAUTION RISK OF ELECTRIC SHOCK. DO NOT OPEN



#### CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE REAR COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

#### **CLASS 1 LASER PRODUCT**

This Compact Disc player is classified as a CLASS 1 LASER product.

Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

## CAUTION-INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED, AVOID EXPOSURE TO BEAM.



This symbol indicates that dangerous voltage which can cause electric shock is present inside this unit.



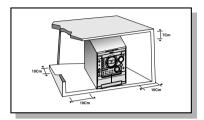
This symbol alerts you to important operating and maintenance instructions accompanying the unit.

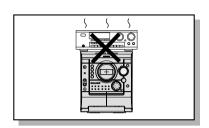
**WARNING:** To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

**CAUTION:** TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

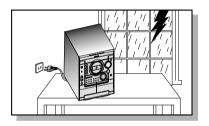


## **Precautions**



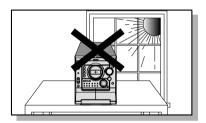


Ensure that the AC power supply in your house complies with the identification sticker located on the back of your player. Install your player horizontally, on a suitable base (furniture), with enough space around it for ventilation (3-4inches). Make sure the ventilation slots are not covered. Do not stack anything on top of the player. Do not place the player on amplifiers or other equipment which may become hot. Before moving the player, ensure the disc tray is empty. This player is designed for continuous use. Switching off the DVD player to the stand-by mode does not disconnect the electrical supply. In order to disconnect the player completely from the power supply, remove the main plug from the wall outlet, especially when left unused for a long period of time.



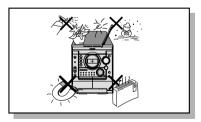
During thunderstorms, disconnect AC main plug from the wall outlet.

Voltage peaks due to lightning could damage the unit.



Do not expose the unit to direct sunlight or other heat sources.

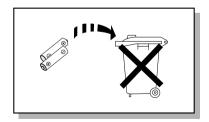
This could lead to overheating and malfunction of the unit.



Protect the player from moisture(i.e. vases), and excess heat(e.g.fireplace) or equipment creating strong magnetic or electric fields (i.e.speakers...). Disconnect the power cable from the AC supply if the player malfunctions. Your player is not intended for industrial use. Use of this product is for personal use only.

Condensation may occur if your player or disc have been stored in cold temperatures.

If transporting the player during the winter, wait approximately 2 hours until the unit has reached room temperature before using.

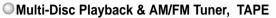


The battery used with this product contain chemicals that are harmful to the environment.

Do not dispose of batteries in the general household trash.

uniti die unit has readres rount temperature berore using.





The MAX-DJ550 combines the convenience of multi-disc playback capability, including DVD, VCD, DivX, JPEG, CD, MP3-CD, CD-R, CD-RW, and DVD-RW, with a sophisticated AM/FM tuner, TAPE, all in a single player.

#### TV Screen Saver Function

The MAX-DJ550 automatically brightens and darkens the brightness of the TV screen after 3 minutes in the stop.

The MAX-DVD9910 automatically switches itself into the power saving mode after 20 minutes in the screen saver mode.

#### Power Saving Function

The MAX-DJ550 automatically shuts itself off after 20 minutes in the stop.

#### **Customized TV Screen Display**

The MAX-DJ550 allows you to select your favorite image during JPEG, DVD playback and set it as your background wallpaper.



**DVD (Digital Versatile Disc)** offers fantastic audio and video, thanks to Dolby Digital surround sound and MPEG-2 video compression technology. Now you can enjoy these realistic effects in the home, as if you were in a movie theater or concert hall.





DVD players and the discs are coded by region. These regional codes must match in order for the disc to play. If the codes do not match, the disc will not play.

The Region Number for this player is given on the rear panel of the player. (Your DVD player will only play DVDs that are labelled with identical region codes.)

#### **Copy Protection**

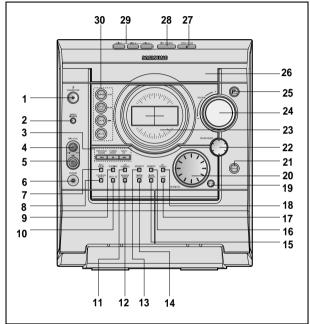
- Many DVD discs are encoded with copy protection. Because of this, you should only connect your DVD player directly to your TV, not to a VCR. Connecting to a VCR results in a distorted picture from copy-protected DVD discs.
- This product incorporates copyright protection technology that is protected by methods claims of certain
  U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights
  owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and
  is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision
  Corporation. Reverse engineering or disassembly is prohibited.



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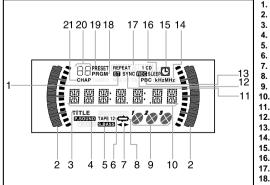


### -Front Panel-

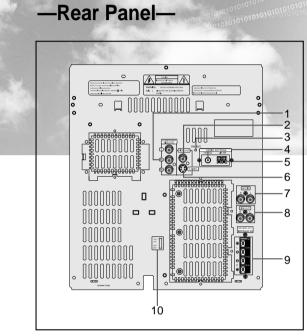


- STANDBY/ON
- 2. DEMO/DIMMER
- SEARCH FUNCTION BUTTONS OR STOP OR TUNING MODE
- MIC LEVEL(option)
- MIC (option)
- PHONES
- RECORD/PAUSE 7.
- COUNTER RESET
- DUBBING
- 10. **DECK 1/2**
- CD SYNCHRO
- 12. REVERSE MODE
- 13. MONO/STEREO
- TIMER/CLOCK 14.
- 15. TIMER ON/OFF
- 16. MEMORY
- 17. SLEEP
- 18. CD REPEAT
- 19. RETURN
- 20. MULTI JOG
- 21. SUPER BASS
- SOUND MODE 22.
- WINDOW DISPLAY 23.
- 24. VOLUME+.-
- POWER SOUND
- COMPACT DISC COMPARTMENT
- CD Open/Close
- DISC CHANGE
- DISC SELECTION BUTTONS
- **FUNCTION SELECTION BUTTONS**

# —Display Window—

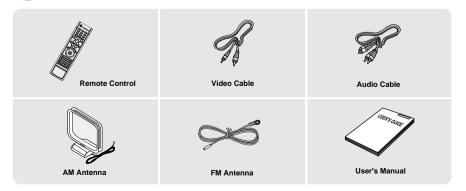


- FM MODE (STEREO)
- Volume
- 3. TITLE
  - POWER SOUND
- SUPER BASS 5.
- **TAPE 1/2** 6.
- 7. TAPE RUNNING DIRECTOR
- 8. TAPE REVERSE MODE
- PLAYING DISC NUMBER 9.
- 10. MAIN DISPLAY(FUNCTION, FREQUENCY, TIME, etc.)
- 11. CD SYNCHRO RECORDING
- 12. RECORDING
- 13. PBC
- 14. TUNER FREQUENCY UNIT
- 15. CLOCK
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- 21. CHAPTER



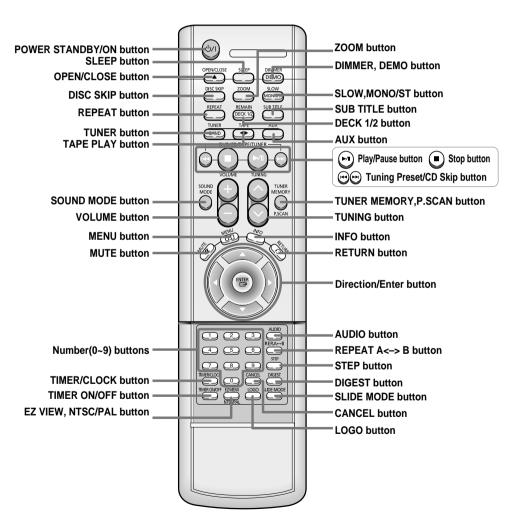
- Component Video Output Connectors Connect a TV with component vide input jacks to these jacks.
- 2. Video Output Connector Connect the TV's video input jacks (VIDEO IN) to the VIDEO OUT connector.
- 3. SW Antenna Connector (Option)
- 4. FM Antenna Connector
- 5. AM Antenna Connectors
- 6. S-Video Output Connector If the TV is equipped with an S-Video input connector (S-VIDEO IN), connect it to the player's S-Video output jack.
- 7. AUX-Input
- 8. LINE OUT
- 9. Loudspeaker Connector Terminals
- 10. Voltage Selector (Option)

## **Accessories**



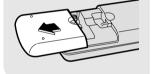


### —Remote Control—

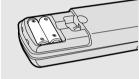


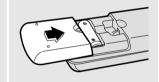
#### **Insert Remote Batteries**

Remove the battery cover on the back of the remote by pressing down and sliding the cover in the direction of the arrow.



- 2 Insert two 1.5V AAA batteries, paying attention to the correct polarities (+ and –).
- Replace the battery cover.





#### Caution

#### Follow these precautions to avoid leaking or cracking cells:

- Place batteries in the remote control so they match the polarity:(+) to (+)and (-)to (-).
- Use the correct type of batteries.Batteries that look similar may differ in voltage.
- Always replace both batteries at the same time.
- Do not expose batteries to heat or flame.

#### Range of Operation of the Remote Control

The remote control can be used up to approximately 23 feet/7 meters in a straight line. It can also be operated at a horizontal angle of up to  $30^\circ$  from the remote control sensor.



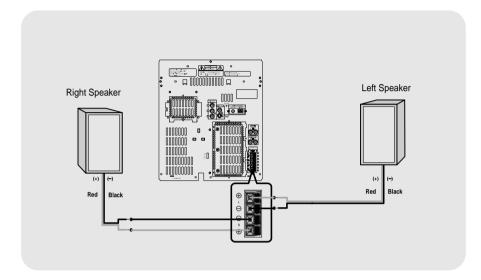
To open the remote control cover, push the top of the cover, then slide downward.





## **Connecting the Speakers**

Before moving or installing the product, be sure to turn off the power and disconnect the power cord.



#### Position of the DVD Player

 Place it on a stand or cabinet shelf, or under the TV stand.

#### Speakers **D**R

- Place these speakers in front of your listening position, facing inwards (about 45°) toward you.
- Place the speakers so that their tweeters will be at the same height as your ear.

#### Selecting the Listening Position

The listening position should be located about 2.5 to 3 times the distance of the TV's screen size away from the TV. Example: For 32" TVs 2-2.4m (6-8feet)
For 55" TVs 3.5-4m (11-13feet)

#### **Directions in Installing Speaker**

- Installation in a place near heating apparatus, under direct lay of light or with high humidity may cause performance degradation of the speaker.
- Do not install on the wall or on a high place of pole or other unstable place to prevent any safety accident caused by falling of the speaker.
- Do not take the speakers near from TV or computer monitor.
   The speaker near the TV or computer monitor may influence the quality of the screen display.

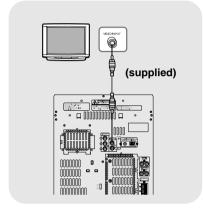


## Connecting to a TV

Please be sure to turn off the power and unplug the power cord before moving or installing this unit. Please choose one of three video connection methods.

#### d 1 Using Video Out Good

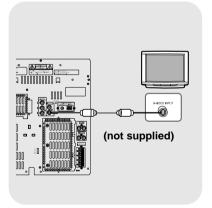
- Connect Video Out on the player to Video In on your TV.
- 2 Press the TV/VIDEO button on the remote of TV control to set the TV to "VIDEO".



#### Method 2 Using S-Video Out Better

Use this method if your TV has an S-Video In jack.

- 1 Connect S-Video Out to S-Video In on your TV.
- Press the TV/VIDEO button on the remote control of TV to set the TV to "S-VIDEO".



#### Note

- Composite Video: A single video signal that is a composite of the black-and-white information (Y) and the color information (C).
- S-Video: A video transmission standard that provides a sharper, brighter picture than ordinary composite video by separating brightness and color signals.

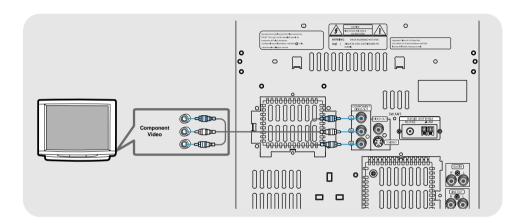
O



## Connecting to a TV(continue)

Please be sure to turn off the power and unplug the power cord before moving or installing this unit. Please choose one of two video connection methods.

Method 3 Component Video (Best Quality)



- 1 connect a component video cable (not supplied) from the Pr, Pb and Y jacks on the back panel of the system to the corresponding jacks on your television.
- 2 Press the TV/VIDEO button on the remote of TV control to set the TV to "COMPONENT VIDEO".



## P.SCAN(Progressive Scan) Function

Press and hold P.SCAN button on the remote controller for over 5 seconds in stop mode.

 Pressing and holding the button for over 5 seconds will select "Progressive Scan" and "Interlace Scan" repetitively.

#### What is Progressive (or Non-Interlaced) Scanning?

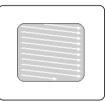
#### Interlaced Scan (1 FRAME = 2 FIELDS)

# even odd ----

In interlaced-scan video, a frame consists of two interlaced fields (odd and even), where each field contains every other horizontal line in the frame. The odd field of alternating lines is displayed first, and then the even field is displayed to fill in the alternating gaps left by the odd field to form a single frame. One frame, displayed every 1/30th of a second, contains two interfaced fields, thus a total of 60 fields are displayed every 1/60th of a second.

The interlaced scanning method is intended for capturing a still object.

#### **Progressive Scan (FULL FRAME)**



The progressive scanning method scans one full frame of video consecutively down the screen, line by line. An entire image is drawn at one time, as opposed to the interlaced scanning process by which a video image is drawn in a series of passes.

The progressive scanning method is desirable for dealing with moving objects.

#### Note

- This function works only on TVs equipped with component video inputs (Y, Pr, Pb) that support
  Progressive Video. (It does not work on TVs with conventional component inputs, i.e., non-progressive
  scan TVs.)
- Depending on the brand and model of your TV, this function may not work.

#### **Selecting the Video Format**

Turn off the main unit and then press NTSC/PAL on the remote control or REC/PAUSE on the main unit.

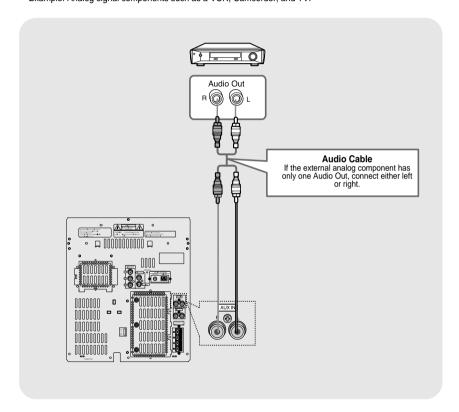
- By default, the video format is set to "PAL".
- Each time the button is pressed, the video format switches between "NTSC" and "PAL".
- · Each country has a different video format standard.
- For normal playback, the video format of the disc must be the same as the video format of your TV.



## **Connecting External Components**

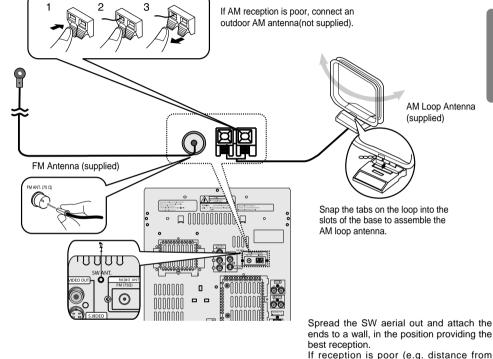
#### **Connecting an External Analog Component**

Example: Analog signal components such as a VCR, Camcorder, and TV.



- 1 Connect Audio In on the DVD player to Audio Out on the external analog component.
  - Be sure to match connector colors.
- 2 Press AUX to select AUX.
  - 'AUX' appears in the display.

# Connecting the FM, AM(MW/LW) and SW(option)Antennas



FM antenna connection

- 1. Connect the FM antenna supplied to the FM 75 $\Omega$  COAXIAL terminal as a temporary measure.
- Slowly move the antenna wire around until you find a location where reception is good, then fasten it to a wall or other rigid surface.
- If reception is poor, connect an outdoor antenna.
   Before attaching a 75Ω coaxial cable (with a standard type connector), disconnect the supplied FM antenna.

#### AM(MW/LW) antenna connection

1. Connect the AM loop antenna supplied to the AM and  $\dot{m}$  terminals.

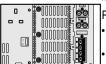
transmitter too great, walls blocking the

radio waves, etc.), install an outdoor aerial.

If reception is poor, connect an outdoor single vinyl-covered wire to the AM terminal. (Keep the AM loop antenna connected).

#### Cooling Fan

The cooling fan dissipates the heat generated inside the unit so that the unit can be operated normally. The cooling fan is activated automatically to supply cool air to the unit.



Please observe the following cautions for your safety.

 Make sure the unit is well-ventilated. If the unit has poor ventilation, the temperature inside the unit could rise and may damage it.

Do not obstruct the cooling fan or ventilation holes. (If the cooling fan or ventilation holes are covered with a newspaper or cloth, heat may build up inside the unit and fire may result.)



## **Setting the Clock**

For each step, you have a few seconds to set the required options. If you exceed this time, you must start again.

Switch the system on by pressing STANDBY/ON button.

Press TIMER/CLOCK twice.

• CLOCK is displayed.

Press **ENTER**. The hour flashes.

• Increase the hours : )

• Decrease the hours : ()

When the correct hour is displayed, press ENTER. The minutes flash.

Increase the minutes :

• Decrease the minutes : 🕡

When the correct time is displayed, press **ENTER**.

- "TIMER" appears in the display.
- The current time is now set.

#### Note

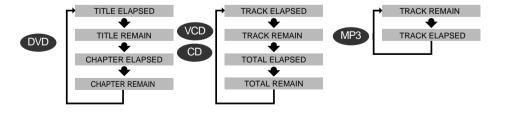
- You can display the time, even when you are using another function, by pressing TIMER/CLOCK once.
- You can also use MUTI-JOG button on the panel front instead of ( ) buttons in step 3,4.

## **Checking the Remaining Time**

#### Press the REMAIN button.

• For checking the total and remaining time of a title or chapter being played.

#### Each time the REMAIN button is pressed





Load discs.

Press **OPEN/CLOSE** button to close the disc tray.

Press **DISC SKIP** button to select a specific disc.

• you can use the DISC(1.2.3) button on the front panel to chose your selection.



Disc Playback

(6/1

- If you use the DISC (1, 2, 3) function when listening to the radio or to a tape, the system switches automatically to the CD mode.
- If the disc selected is not loaded, the next disc is played automatically.







· Playback starts automatically.







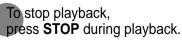
- · Playback starts automatically.
- If the TV is on, a list of MP3s on the CD will appear on the TV screen.



- Depending on the content of the disc, the initial screen may
- Depending on the recording mode, some MP3-CDs cannot
- Table of contents of a MP3-CD varies depending on the MP3 track format recorded on the disc.

To temporarily pause playback, press PLAY/PAUSE during playback.

• To resume playback, press PLAY/PAUSE button again.



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- If pressed once, "PRESS PLAY" is displayed and the stop position will be stored in memory. If PLAY/PAUSE ( ►II ) button or ENTER button is pressed, playback resumes from the stop position. (This function works only with DVDs.)
- If pressed twice, "STOP" is displayed, and if PLAY/PAUSE (►II ) button is pressed, playback starts from the beginning.

# **DivX Playback**

## Skip Forward/Back

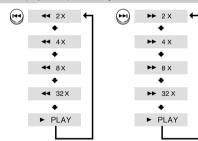
### During playback, press the I◄◀►►I button.

- Go to the next file whenever you press ▶►I button, if there are over 2 files in the disk.
- Go to the previous file whenever you press ► button, if there are over 2 files in the disk.

## Fast playback

#### Press and hold ►► button.

• Each time the button is held down during playback, the playback speed changes as follows:

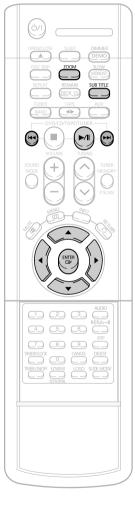


## Zoom Function

Press **ZOOM** button.

• Each time you press the button, your selection will toggle between "ZOOM X2" and "ZOOM OFF".

Press Cursor ▲, ▼, ◀ , ▶ buttons to move to the area you want to enlarge.



## 5 5 Minute Skip function

#### During playback, press the ◀, ▶ button.

- Go to the screen about 5 minutes after whenever you press ▶ button.
- Go to the screen about 5 minutes earlier whenever you press ◀ button.

#### **DivX Feature Table**

#### DivX Supported

Avi files are used to contain the audio and video data; these must be stored on CD in the ISO 9660 format.

|                     |          | SPEC                     |
|---------------------|----------|--------------------------|
| VIDEO Compatibility | DivX3.11 | Up to the latest VERSION |
|                     | WMV      | WMV V1/V2/V3/V7          |
| AUDIO Compatibility | MP3      | CBR: 80kbps~320kbps      |
|                     | AC3      | CBR: 128kbps~448kbps     |
|                     | WMA      | CBR: 56kbps~160kbps      |

- MPEGs containing DivX can be divided into Video and Audio.
- Video compatibility: All versions of DivX later than 3.11 (including the latest 5.1) are supported. In addition, XviD is supported. For WMV, V1, V2, V3, and V7 formats are possible.
- Audio compatibility: MP3s encoded at bitrates from 80kbps to 320kbps, AC3s from 128kbps to 448kbps, and WMAs from 56kbps to 160kbps are supported.
- In addition, for subtitles, this unit will support Text format (SMI).

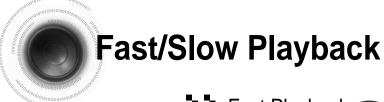
- Note When playing the DivX disk, you can play the file with extension of AVI only.
  - Among the available DivX audio formats, DTS Audio is not supported.
  - WMV V8 is not supported for WMV files.
  - When burning a subtitle file to a CD-ROM with your PC, be sure to burn it as an SMI file.

· DivX files can be played in Zoom X2 mode only.



## **Displaying Disc Information**

You can view playback information on the disc on the TV screen.





#### Press INFO button.

• Each time the button is pressed, the display changes as follows:



Note



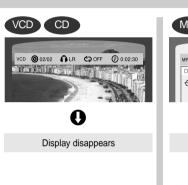




Display disappears

Depending on the disc, the disc

Depending on the disc, you can also







#### . What is a Title?

A movie contained in a DVD disc.

Each title on a DVD disc is divided into several smaller sections called "chapters".

## • papears on the TV screen!

If this symbol appears on the TV screen while buttons are being operated, that operation is not possible with the disc currently being played.

#### What is a Track (File)?

A section of video or a music file recorded on a VCD, CD, or MP3-CD.

#### Screen Display

information display may appear different.

select DOLBY DIGITAL, or PRO LOGIC.













AUDIO LANGUAGE display

ANGLE display

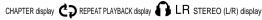
CD CD display

VCD VCD display



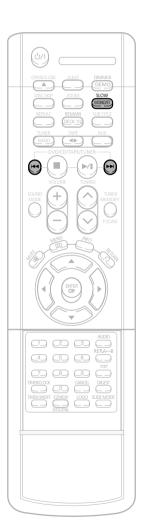


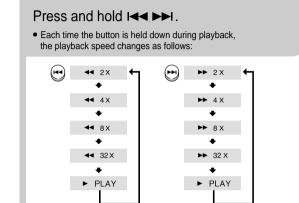






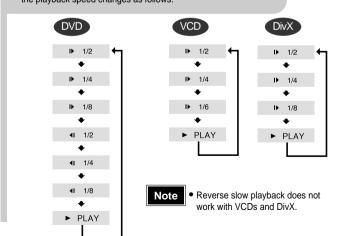














- Note During fast playback of a CD or MP3-CD, sound is heard only at 2x speed, and not at 4x, 8x, and 32x speeds.
  - No sound is heard during slow playback and step motion playback.

## **Skipping Scenes/Songs**



This function allows you to view the same scene in different angles.







#### Briefly press I◀◀ ▶►I.

- Each time the button is pressed briefly during playback, the previous or next chapter, track, or directory (file) will be played.
- But, you cannot skip chapters consecutively.

















• When watching a VCD with a track longer than 15 minutes, each time is pressed, playback will skip back or forward 5 minutes.















Press Cursor ▶ button to move to ANGLE display.





• Each time the button is pressed, the angle changes as follows:









7 8 9

• The Angle function works only with discs on which multiple angles have been recorded.

Playing Frame by Frame DVD

Press STEP button.

• The picture moves forward one frame each time the button is pressed during playback.

## Repeat Playback

Repeat playback allows you to repeatedly play a chapter, title, track (song), or directory (MP3 file).





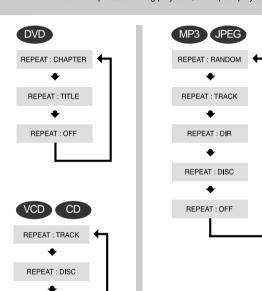






#### Press **REPEAT** button.

• Each time the button is pressed during playback, the repeat playback mode changes as follows:



#### **Repeat Playback Options**

#### **CHAPTER**

Repeatedly plays the selected chapter.

#### TITLE

Repeatedly plays the selected title.

#### **RANDOM**

Plays tracks in random order. (A track that has already been played may be played again.)

#### TRACK

Repeatedly plays the selected track.

Repeatedly plays all tracks in the selected folder.

#### DISC

Repeatedly plays the entire disc.

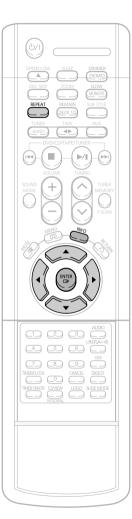
#### OFF

Cancels Repeat Playback.

## Note

REPEAT : OFF

• Repeat playback operation is not possible with version 2.0 VCD discs if PBC is turned on. To use Repeat Playback on a VCD with PBC, you should set the PBC to OFF in the disc menu. (See page 31.)





To Select a Repeat Playback Mode in the Disc Information Screen



•For a VCD or CD.Press INFO button once.

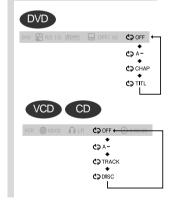
DVD KO 1/3 PR - OFF/ 02 C) OFF

Press Cursor ▶ button to move to REPEAT PLAYBACK display.



Press Cursor **v** button to select the desired Repeat Playback mode.

Press **ENTER** button.





• For MP3 and JPEG discs, you cannot select Repeat Play from the information display screen.

## A↔B Repeat Playback

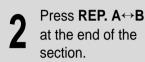




REPEAT : A-

Press REP. A↔B at the beginning of the section you want to repeat.





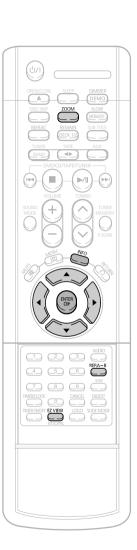


To cancel AB Repeat Playback, press REP. A↔B to select "REPEAT PLAYBACK: OFF".



## Note

- A–B Repeat Playback does not work on MP3 and JPEG discs.
- To select AB Repeat Playback from the information display screen, press REP. A↔B.



## Zoom (Screen Enlarge) Function





Press **ZOOM** button.

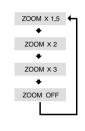


Press Cursor ▲, ▼, ◀ , ▶ buttons to move to the area you want to enlarge.



Press **ENTER** button.

• Each time the button is pressed, the zoom level changes as follows:



- Aspect Ratio



#### Press **EZ VIEW** button.

- Each time the button is pressed, the zoom function will switch between On and Off.
- When a movie is played in Widescreen format, black bars at the top and bottom of the TV screen can be removed by pressing the **EZ VIEW** button.



#### Note

- This function will not work if the DVD is recorded with multi-camera angle format.
- Black bars may not disappear because some DVD discs have a built-in horizontal to vertical ratio.



## **Selecting Audio/Subtitle Language**

# Moving Directly to a Scene/Song





Press **INFO** button twice.

DVD P EN 1/3 PROMP - OFF/ 02 C) OFF

Press Cursor ▲ . ▼ buttons or numeric buttons to select the desired audio language.

 Depending on the number of languages on a DVD disc, a different audio language (KOREAN, ENGLISH, JAPANESE, etc.) is selected each time the button is pressed.



## Subtitle Language Selection Function

Press **INFO** button twice.



Press Cursor ▶ button to move to SUBTITLE display.

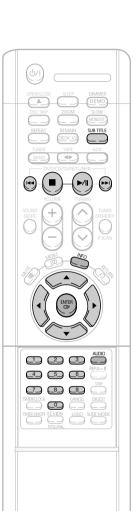


Press Cursor ▼ button or numeric buttons to select the desired subtitle.



#### Note

- You can use the SUBTITLE button on the remote control to select a subtitle
- Depending on the disc, the Subtitle and Audio Language functions may not work.





Press INFO button.



#### Moving to a Title/Track

Press Cursor ▲ . buttons or numeric buttons to select the desired title/track and then press ENTER button.



#### Moving to a Chapter

Press Cursor **◄**. ▶ buttons to move to Chapter display.



#### Moving to a Chapter

Press Cursor ▲. ▼ buttons or numeric buttons to select the desired chapter and then press **ENTER** button.



#### Moving to a Specific Time

Press Cursor ◀, ▶ buttons to move to time display.



#### Moving to a Specific Time

Press the numeric buttons to select the desired time and then press ENTER button.







#### Press the numeric buttons.

- The selected file will be played.
- An MP3 or JPEG disc cannot be moved from the disc information screen.
- · When playing an MP3 or JPG disc, you cannot use ▲ ,▼ to move a folder. To move a folder, press ■ (Stop) and then press  $\blacktriangle$  , $\blacktriangledown$  .



#### Note

- You can press I◄◄ ▶►I on the remote control to move directly to the desired title, chapter, or track.
- Depending on the disc, you may not be able to move to the selected title or



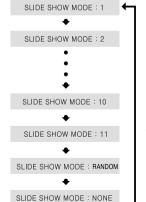
Slide Mode

Place the JPEG disc on the disc tray.

Press the OPEN/CLOSE button.

3 Press SLIDE MODE button.

- Playback starts automatically.
- Each time the button is pressed, the image makes the transition as follows:



From top to bottom

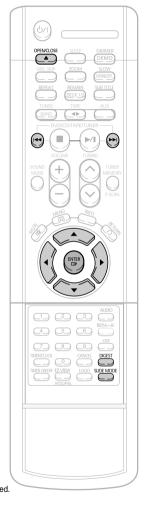
From bottom to top

Rectangular shape in the center

Vertical curtain shape

Each time a new image is displayed, slide modes (1~11) will be randomly and automatically be applied.

Cancels the slide mode





You can view 9 JPEG images on the TV screen.

Press **DIGEST** button during playback.

 JPEG files will be shown in 9 windows.



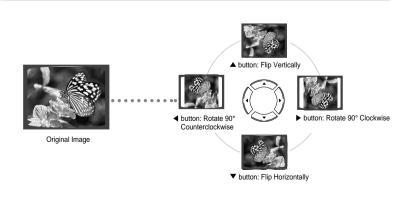
- Press Cursor ▲, ▼, ◀, ▶ buttons to select the desired image and then press ENTER button.
- The selected image is played for 5 seconds before moving to the next image.





- To view the previous or next image with 9 windows, press ◄◄.▶► .
- Rotate/Flip Function

Press Cursor ▲, ▼, ◀, ▶ buttons during playback.



Press I◀◀ ▶▶I to skip to the next slide.

• Each time the button is pressed, the slide moves backward or forward.

# Balancia de la constitución de l

## **Using Disc Menu**

You can use the menus for the audio language, subtitle language, profile, etc. DVD menu contents differ from disc to disc.

Press Cursor ▲ .▼

buttons to move to

'DISC MENU' and then

press ENTER button.

When you select the disc menu that is not

supported by the disc, the "This menu is not

supported" message appears on the screen.



Press **MENU** button.

 When playing a VCD (version 2.0), this toggles between PBC ON and OFF.



Press Cursor ▲,▼,

◀,▶ buttons to select the desired item.



4 Press ENTER button.





#### Note

#### **PBC (Playback Control) Function**

When playing a VCD (version 2.0), you can select and view various scenes according to the menu screen.

**PBC ON:** This VCD disc is version 2.0. The disc is played back according to the menu screen. Some functions may be disabled. When some functions are disabled, select "PBC OFF" to enable them.

PBC OFF: This VCD disc is version 1.1. The disc is played back in the same way as with a music CD.



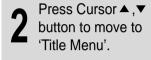
**Using the Title Menu** 

For DVDs containing multiple titles, you can view the title of each movie.

Depending on the disc, this function may either not work at all or may work differently.



Press **MENU** button.





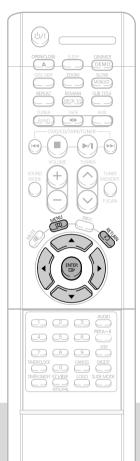
• The title menu appears.





Press **MENU** button to exit the setup screen.





Press **MENU** button.

Press Cursor ▼ button to move to 'Setup' and then press ENTER button.



CONTINUO

CIDEN MENNO

- LANGUAGE

- TV OSICHA Y : VINDE

- PASSIVORD : CHANGE

Audid

- School

3 Press ENTER button.



Press Cursor ▲,▼
button to select the
desired item and then
press ENTER button.



Press Cursor ▲,▼
button to select the
desired language and then
press ENTER button.

 Once the setup is complete, if the language was set to English, OSD will be displayed in English.



Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.



Selecting the OSD Language



Selecting the Audio Language (recorded on the disc)



Selecting the Subtitle Language (recorded on the disc)



Selecting the Disc Menu Language (recorded on the disc)

\* If the language you selected is not recorded on the disc, menu language will not change even if you set it to your desired language.

## **Setting TV Screen type**



Press **MENU** button.



Press Cursor ▼
button to move to
'Setup' and then
press ENTER button.



Press Cursor ▼
button to move to 'TV
DISPLAY' and then
press ENTER button.



Press Cursor ▲,▼ button to select the desired item and then press ENTER button.

 Once the setup is complete, you will be taken to the previous screen.



#### Adjusting the TV Aspect Ratio (Screen Size)

The horizontal to vertical screen size ratio of conventional TVs is 4:3, while that of wide screen and high definition TVs is 16:9. This ratio is called the aspect ratio. When playing DVDs recorded in different screen size, you should adjust the aspect ratio to fit your TV or monitor.

\* For a standard TV, select either "4:3LB" or "4:3PS" option according to personal preference. Select "16:9" if you have a wide screen TV.

WIDE

: Select this to view a 16:9 picture in the full-screen mode on your wide screen TV.

• You can enjoy the wide screen aspect.



4:3LB (4:3 Letterbox) Select this to play a 16:9 picture in the letter box mode on a conventional TV.

• Black bars will appear at the top and bottom of the screen



4:3PS (4:3 Pan&Scan) : Select this to play a 16:9 picture in the pan & scan mode on a conventional TV.

 You can see the central portion of the screen only (with the sides of the 16:9 picture cut off).



Note

- If a DVD is in the 4:3 ratio, you cannot view it in wide screen.
- Since DVD discs are recorded in various image formats, they will look different depending on the software, the type of TV, and the TV aspect ratio setting.

Press **RETURN** button to return to the previous level.

Press MENU button to exit the setup screen.





Press **MENU** button.

Press Cursor ▼ button to move to 'Setup' and then press ENTER button.

Press Cursor ▼
button to move to
'PARENTAL' and then
press ENTER button.





Press Cursor ▲, ▼ button to select the desired rating level and then press ENTER button.

- If you have selected Level 6, you cannot view DVDs with Level 7 or higher
- The higher the level, the closer the content is to violent or adult material



Enter the password and then press ENTER button.

- The password is set to "7890" by default.
- Once the setup is complete, you will be taken to the previous screen.



Note

 This function works only if a DVD disc contains the rating level information. Press **MENU** button.



Press Cursor ▼
button to move to
'Setup' and then
press ENTER button.



Press Cursor ▼ button to move to 'PASSWORD' and then press ENTER button.



Press ENTER button.



Enter the password and then press ENTER button.

- Enter the old password, a new password, and confirm new password.
- The setting is complete.



Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

Press CANCEL button to cancle your input numbers.



# Setting the Wallpaper wo







While watching a DVD or JPEG CD, you can set the image you like as a wallpaper.

## Setting the Wallpaper

During playback, press PLAY/PAUSE button when the image you like comes up.



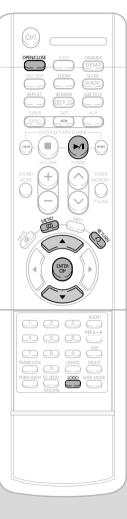
Press LOGO button.

• "COPY LOGO DATA" will be displayed on the TV screen.



## Note

- The selected wallpaper will be displayed.
  You can repeat Steps 1 and 2 to set up to 3 wallpapers.
  The power will turn off and turn on automatically and back on the display mode.





Press **MENU** button.



Press Cursor ▼ button to move to 'Setup' and then press **ENTER** button.



Press Cursor ▼ button to move to 'LOGO' and then press **ENTER** button.



Press ▼ to select the desired 'USER'. and then press ENTER.



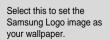
Press **MENU** button to exit the setup screen.



Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.



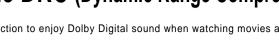


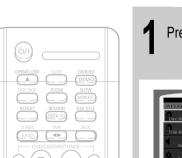


Select this to set the desired image as your wallpaper.

## **Setting the DRC** (Dynamic Range Compression)

You can use this function to enjoy Dolby Digital sound when watching movies at low volume at night.





Press **MENU** button.



Press Cursor ▼ button to move to 'Audio' and then press **ENTER** button.



If "DRC" is selected, press ENTER.



Press Cursor ▲, ▼ to adjust the 'DRC'.

the greater the effect, and the more times Cursor ▼ button is pressed, the smaller the effect.



Press the **MENU** button.

**AV SYNC Setup** 

Video may look slower than the audio if it is connected with digital TV.

In this case, adjust the delay time of audio to optimal status to fit the video.

Setup menu appears.



Press Cursor ▲, ▼ buttons to move to 'Audio' and then press **ENTER** button.

'Audio' menu appears.



Press Cursor ▲, ▼ buttons to move to 'AV-SYNC' and then press **ENTER** button.

AV-SYNC screen appears.

Press Cursor ▲,▼ buttons to select the Delay Time of AV-SYNC and then press the **ENTER** button.

• You can set the audio delay time between 0 ms and 300 ms. Set it to the optimal status.



Press **RETURN** button to return to the previous level. Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

TIMERONOFF EZ VIEW LOGO SLIDE MOD

## Listening to Radio

You can listen to the chosen band (FM, MW, (LW),(SW1,2) broadcast stations) by using either the automatic or manual tuning operation.

#### **Remote Control Unit**

Press TUNER/ BAND button.

• The selection toggles back and forth between "FM → MW → (LW)→(SW1,2)" each time the TUNER(BAND) button is pressed.

Tune in to the desired station.

to select the preset station

Press and hold 🛇 button to automatically search the

Manual Tuning Briefly press 🛇 to ncrease or decrease the

frequency incrementally.

#### **Main Unit**

Press the **Function** button to select the desired band (FM. MW,(LW),(SW1,2)).

Select a broadcast station.

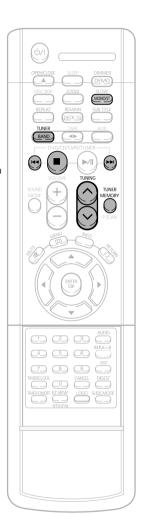
Automatic Tuning 1 Press the **STOP** (■) button to select

PRESET and then press I◀◀ ▶▶I button to select the preset station.

Automatic Tuning 2 Press the STOP (■) button to select "AUTO" and then

press I ► button or turn Multi-Jog knob to automatically search the band.

Manual Tuning Press STOP (■) to select MANUAL and then briefly press | I I I to tune in to a lower or higher frequency.





You can store up to:

- ♦ 15 FM stations ☐OPTION
- ♦ 15 AM stations —
- ♦ 15 FM stations ♦ 8 AM(MW) stations —OPTION
- ♦ 7 LW stations
- ♦ 15 FM stations

5 SW2 stations -

- ♦ 5 MW stations -♦ 5 SW1 stations -
  - OPTION AM(MW) ..... ····· Medium Wave • I.W ..... Long Wave

Example: Presetting FM 89.1 in the memory

Press the TUNER(BAND) button and select the FM band.

• Each time the button is pressed, the band switches between "FM  $\rightarrow$  MW  $\rightarrow$  (LW)  $\rightarrow$  (SW1,2)".



Press ♦ to

• Refer to Step 2 on page 43 to automatically or manually tune in to a station.



Press the **TUNER MEMORY** button.

FM ..... Frequency Modulation

• "PROG" flashes in the display.



Press Idea >>> to select preset number.

You can select between 1 and



Press the **TUNER MEMORY** button.

• Press the TUNER MEMORY button before 'PROG' disappears from the display.

• 'PROG' disappears from the display and the station is stored in memory.



To preset another station, repeat steps 2 to 5.

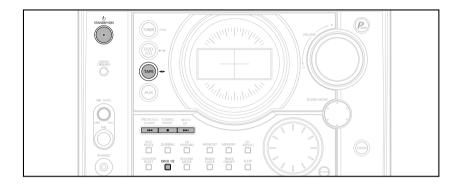
Press MO/ST button to listen in Mono/Stereo. (This applies only when listening to an FM station.)

- Each time the button is pressed, the sound switches between "STEREO" and "MONO".
- In a poor reception area, select MONO for a clear, interference-free broadcast.

remote control to select a channel.

# **Listening to a Cassette**

Always treat your cassettes with care; refer, if necessary, to the section entitled "Precautions When Using Audio Cassettes" on page 55.



Switch the system on by pressing STANDBY/ON.

Press TAPE on the player to select the Tape function.

- Press the PUSH
  EJECT (♠) of the
  cassette deck to open
  the cassette door and
  insert a cassette.
- Insert a cassette with the recording/playback side facing the cassette holder, and then push the cassette door shut.

- Press the ◀► button. The cassette starts playing.
- Side A : Tape (◄►) button once.
  Side B : Tape (◄►) button twice.
  (DECK 2 only)

Note

If you have inserted two cassettes, press Deck 1/2 on the front panel or directly the Deck 1/2 button on the remote control to select the cassette to be played.

- **5** Press the |◄◄,▶▶| button if necessary.
- Rewind the cassette I◄◄ / DOWN button.
- Fast-forward the cassette UP / ▶▶I button.

When you have finished playback, press STOP button.

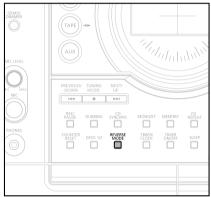
## Selecting the Cassette Playback Mode

Your micro component system has three cassette playback modes which enable you to listen to both sides of a cassette automatically. (Deck 2 only).

Press **REVERSE MODE** until the appropriate symbol is displayed.

- = : One side of the selected cassette and then stops.
- Cone side of the cassette.

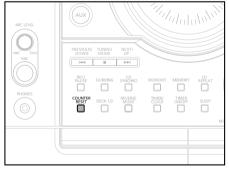
  The other side of the cassette and then stops.
- Both sides of the cassette indefinitely until you press stop.



## Tape Counter

When playing a cassette in one of the cassette decks, a counter is displayed to enable you to take note of the counter value at the start of each track to start playback at the beginning of the track to which you wish to listen.

- Before starting to record a cassette for which you wish to take note of the counter values at the beginning of each track, reset the counter by pressing COUNTER RESET.
- Each cassette deck has a separate counter.



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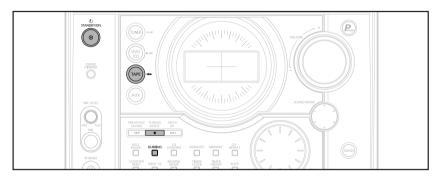
## Copying a cassette (DUBBING)

You can copy a cassette from Deck 1 to Deck 2.

Normal speed dubbing in selecting Tape function mode.

You do not need to adjust the volume, as it has no effect on the recording.

Take care not to insert the tape to be copied in Deck 2, as it will be erased when you start recording.



Switch your system on by pressing STANDBY/ON.

nsert a blank cassette in Deck 2.

Insert the tape to be copied in Deck 1.

Press **DUBBING** button to copy a cassette.

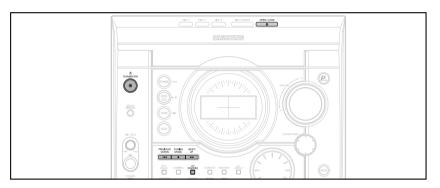
The appropriate indications are displayed and the cassette in Deck 1 is copied to the cassette in Deck 2.

5 Press STOP button.



### Synchronised recording

This feature enables you to synchronize the start of the recording with the start of the disc or track of your choice.



Switch the system on by pressing STANDBY/ON.

2 Insert a blank cassette in Deck 2.

- Press the PUSH/EJECT button ( ) to open the cassette door, insert a cassette, and then close the cassette door.
- Insert the cassette with the safety tabs.

3 Load a compact disc.

- Press the OPEN/CLOSE button ( ) to open the CD door.
- Insert a CD and press the OPEN/CLOSE button (♠) to close the CD door.

Press the DVD/CD ( ) button.

 Use the CD selection (I◄◄, ▶►I) buttons to select the desired song. Press

CD SYNCHRO
button.

- When stopped, press the button to start the recording from the first piece of music.
- Press and hold CD SYNCHRO button during the playback of CD to start the recording from the first part of the music being played.

To stop recording, press ■ button.

Note

•You can use CD SYNCHRO button only in CD Playback Mode.

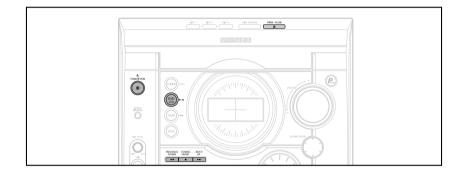


OPEN/GLOSE

(P...)

#### **Direct recording**

The direct recording mode enables you to start recording with any track on the compact disc.



Switch the system on by pressing STANDBY/ON.

2 Insert a blank cassette in Deck 2.

- Press the PUSH/EJECT button
   (▲) to open the cassette door, insert a cassette, and then close the cassette door.
- Insert the cassette with the safety tabs.

3 Load a compact disc.

- Press the OPEN/CLOSE button
   ( ) to open the CD door.
- Insert a CD and press the OPEN/CLOSE button (♠) to close the CD door.

Switch the system on by pressing STANDBY/ON.

2 Insert a blank cassette in Deck 2.

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Select the TUNER function by pressing TUNER/BAND.

- Press the DVD/CD ( ) button.
- Use the CD selection (I◄◄, ▶►I) buttons to select the desired song.

5 Press REC/ PAUSE button.

- Recording will begin.
- To stop recording, press button.

Note

• The cassette tape you want to record on must have the safety tabs intact.

Select the radio station that you wish to record by pressing | <</br>
| JOWN or UP/>>| button .

- 5 REC/PAUSE button.
- REC is displayed in red and recording starts.

6 To stop recording, press ■ button.



## Timer Function

- The timer enables you to switch the system on or off at specific times.
- If you no longer want the system to be switched on or off automatically, you must cancel the timer.
- Before setting the timer, check that the current time is correct.
- For each step, you have a few seconds to set the required options. If you exceed this time, you must start again.

**Example:** You wish to wake up to music every morning.

Switch the system on by pressing STANDBY/ON.

Press
TIMER/CLOCK
until TIMER is
displayed.

3 Press the ENTER button.

 ON TIME is displayed (instead of the equalizer symbols) for a few seconds, followed by any switch-on time already set; you can set the timer switch-on time.

Set the timer switch-off time.

a. Set the hour by pressing ◀ or ▶

c. Set the minutes by pressing ✓ or ▶

• VOL 10 is displayed, where 10

corresponds to the volume

b. Press ENTER.

d. Press ENTER.

already set.

• The minutes flash.

Press ◀ or ▶ button to adjust the volume level and press

• The source to be selected is

displayed.

Set the timer switch-on time.

a. Set the hour by pressing ◀ or ▶ button.

b. Press ENTER.

The minutes flash.

c. Set the minutes by pressing ◀ or ▶ button.

d. Press ENTER.

 OFF TIME is displayed (instead of the equalizer symbols) for a few seconds, followed by any switchoff time already set; you can now set the timer switch-off time.

Press **ENTER** to confirm the timer.

Press
STANDBY/ON to set the system to standby mode.

• 🕒 is displayed to the top right of the time, indicating that the timer has been set.

 The system will switch on and off automatically at the required times.

Press ◀ or ▶ button to select the source to be played when the system switches on.

• TAPE (cassette) : Insert a cassette tape.

• TUNER (radio) : a Press ENTER. b Select a preset

station by pressing

d or 

■ .

• DVD (compact disc) : Load a compact

disc.

In step 3, 4, 5, 6, 7, 8, you can use RETURN button in the main unit to instead the ENTER button.
 If the timer switch on and off times are identical, the word ERROR is displayed.

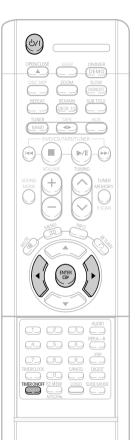
• You can use Multi-Jog or I on the front panel in step 4, 5, 6, 7.

Can

After havi
display. If

**Canceling the Timer** 

After having set the timer, it will start automatically as shown by the TIMER indication on the display. If you no longer wish to use the timer, you must cancel it.



To cancel the timer, press **TIMER ON/OFF** once.

ullet is no longer displayed.

To resume the timer, press **TIMER ON/OFF** again.

• is displayed again.

Note

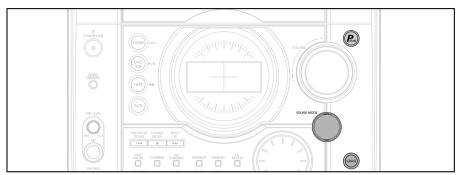
You can cancel the timer while the power is on or while the player is in standby.

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## S.BASS/P.SOUND/SOUND MODE Function





## S.BASS Function

Your mini-compact system has a bass amplification function called SBS (Super Bass Sound). This function makes the sound more powerful and real.

## Press **S.BASS** on the front panel until the required option is selected.

- Press the button repeatedly to select "S.BASS ON, OFF".
- S.BASS Function: S.Bass function emphasizes the bass sound to produce the effect of explosion or booms.

## P.SOUND Function

Your mini-compact system is equipped with the function of Power Sound .

The function of Power Sound amplifies bass and improves high key or bass twice as much for you to appreciate powerful real sound.

## Press the **P.SOUND** button on the front panel.

Result: Press **P.SOUND** button on the front panel, "**P,SOUND**" is displayed.

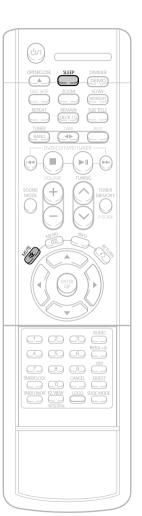
To cancel this function, press **P.SOUND** button again.

## SELECTING SOUND MODE

Your mini-compact system is equipped with a preset equalizer that allows you to choose the most appropriate balance between treble and bass frequencies, according to the type of music you are listening to.

Turn **SOUND MODE** on the front panel or Press **SOUND MODE** on the remote control until the required option is selected.

| To obtain a                        | Select         |
|------------------------------------|----------------|
| Normal balance (linear)            | PASS           |
| Balance suitable for pop music     | POP            |
| Balance suitable for rock music    | ROCK           |
| Balance suitable for classic music | ······ CLASSIC |



## Sleep Timer Function

You can set the timer that the DVD player will shut itself off.

#### Press **SLEEP** button.

Each time the button is pressed, the selection changes as follows:
 90 MIN → 60 MIN → 45 MIN → 30 MIN → 15 MIN → OFF.



To confirm the sleep timer setting, press SLEEP button.

- The remaining time before the DVD player will shut itself off is displayed.
  Pressing the button again changes the sleep time from what you have set
- earlier.

To cancel the sleep timer, press **SLEEP** button until OFF appears on the display.

## - Mute Function

This is useful when answering a doorbell or telephone call.

#### Press **MUTE** button.

- 'MUTE' appears in the display.
- To turn off mute, press the button again.

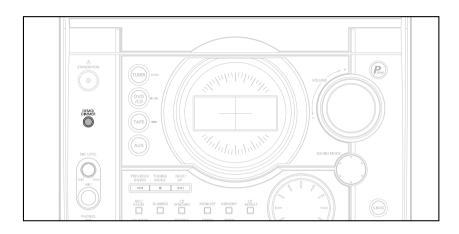




## **DEMO Function / DIMMER Function**



You can connect a set of headphones to your mini component system so that you can listen to music or radio programmers without disturbing other people in the room. The earphones must have a 3.5ø jack or an appropriate adaptor.





You can view the various functions available on your system.

#### Press **DEMO/DIMMER** button.

- The various functions available are listed in turn on the
- All these functions are described in detail in this booklet. For instructions on how to use them, refer to the appropriate sections.



#### Press **DEMO/DIMMER** button.

· Each time the button is press, the brightness changes as follows: DIMMER ON(Dim) → DIMMER OFF(Bright).



Connect the headphones to the PHONES jack on the front panel.

• The loudspeakers are no longer used to output the sound.

#### Note

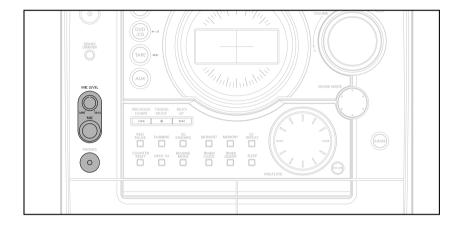
• Prolonged use of headphones at a high volume may damage your hearing.



Plug the microphone with a 6.3 ø MIC jack into microphone terminal.

- · Connect the Microphone.
- Turn the MIC LEVEL knob to adjust the MIC volume.
- During using the Microphone, you can press REC/PAUSE button to record your favorite sounds.

To cancel this function, press **DEMO/DIMMER** again.



## **Cautions on Handling and Storing Discs**

Small scratches on the disc may reduce sound and picture quality or cause breaks in playback. Be especially careful not to scratch discs when handling them.





Do not touch the playback side of the disc. Hold the disc by the edges so that fingerprints will not get on the surface.

Do not stick paper or tape on the disc.

#### Handling and Storing Discs



When you get fingerprints or dirt on the disc, clean it with a mild detergent diluted in water and wipe with a soft cloth.

• When cleaning, wipe gently from the inside to the outside of the disc.

Note

 Condensation may form if warm air comes into contact with cold parts inside the player. When condensation forms inside the player, the player may not operate correctly. If this occurs, remove the disc and let the player stand for 1 or 2 hours with the power on.

### Precautions When Using Audio Cassettes

- Check that the tape in the cassette is sufficiently taut.
- To prevent erasing a cassette that you wish to keep, remove the safety tab on the upper edge of the
  cassette. To record a cassette, where the tab has been broken, simply cover the opening with adhesive
  tape.
- When you have finished playing a cassette, always put it back in its case.
- Store your cassettes in a clean place, out of direct sunlight, where they will not be exposed to high temperatures.
- Avoid using 120-minute cassettes as they place unnecessary strain on the tape mechanism.









#### **Disc Recording Format**

#### **CD-R Discs**

- Depending on the disc recording device (CD-Recorder or PC) and the condition of the disc, some CD-R discs may not be playable.
- Use a 650MB/74 minute CD-R. Avoid CD-R media, as they may not be playable.
- If possible, do not use CD-RW (Rewritable) media, as they may not be playable.
- Only the CD-Rs that are properly "closed" can be fully played. If the session is closed but the disc is left open, you may not be able to fully play the disc.

#### CD-R MP3 Discs

- Only CD-R discs with MP3 files in ISO 9660 or Joliet format can be played.
- MP3 file names should be 8 characters or less in length and contain no blank spaces or special characters (. / = +).
- If the name of a file is in Korean, the name will be displayed on the TV screen in Korean and \* will be shown in the display of the main unit.
- Use discs recorded with a compression/decompression data rate greater than 128Kbps.
- Only files with the ".mp3" and ".MP3" extensions can be played.
- Only a consecutively written Multisession disc can be played. If there is a blank segment in the Multisession disc, the
  disc can be played only up to the blank segment.
- If the disc is not closed, it will take longer to begin playback and not all of the recorded files may be played.
- For files encoded in Variable Bit Rate (VBR) format, i.e. files encoded in both low bit rate and high bit rate (e.g., 32Kbps ~ 320Kbps), the sound may skip during playback.
- If more than 500 tracks are recorded on a single CD, a maximum of 500 tracks can be played.
- If more than 300 folders are recorded on a single CD, a maximum of 300 folders can be played.

#### What is MP3?

MP3 is short for MPEG-1 Audio Layer 3 and MPEG is an acronym for Moving Pictures Experts Group. MP3 is a file format with compression ratio of 1:12 (128 Kbps\*) That is, you can use MP3 format to record about 12 times the usual amount of data on a regular CD.

#### **CD-R JPEG Discs**

- Only files with the ".jpeg" and ".JPEG" extensions can be played.
- If the disc is not closed, it will take longer to start playing and not all of the recorded files may be played.
- Only CD-R discs with JPEG files in ISO 9660 or Joliet format can be played.
- JPEG file names should be 8 characters or less in length and contain no blank spaces or special characters (. / = +).
- Only a consecutively written multisession disc can be played. If there is a blank segment in the multisession disc, the
  disc can be played only up to the blank segment.
- A maximum of 9,999 images can be stored on a single CD.
- When playing a Kodak/Fuji Picture CD, only the JPEG files in the picture folder can be played.
- Picture discs other than Kodak/Fuji Picture CDs may take longer to start playing or may not play at all.



Refer to the chart below when this unit does not function properly. If the problem you are experiencing is not listed below or if the instruction below does not help, turn off the unit, disconnect the power cord, and contact the nearest authorized dealer or Samsung Electronics Service Center.

| Symptom   | Check/Remedy   |
|---|--|
| Disc tray does not open.  | Is the power cord plugged securely into the outlet?      Turn off the power and then turn it back on.  |
| Playback does not start.  | Check the region number of the DVD. DVD discs purchased from abroad may not be playable. CD-ROMs and DVD-ROMs cannot be played on this DVD player. Make sure that the rating level is correct.   |
| The remote control does not work.   | Is the remote control being operated within its operation range of angle and distance?     Are the batteries exhausted?  |
| Playback does not start immediately when the Play/Pause button is pressed.  | Are you using a deformed disc or a disc with scratches on the surface?     Wipe the disc clean.  |
| Sound is not produced.  | No sound is heard during fast playback, slow playback, and step motion playback.  Are the speakers connected properly? Is the speaker setup correctly customized?  Is the disc severely damaged?   |
| Picture does not appear, sound is not produced, or the disc tray opens 2 to 5 seconds later.                              | Was the DVD player suddenly moved from a cold place to a warm one? When condensation forms inside the player, remove the disc and let the player stand for 1 or 2 hours with the power on. (You can use the player again after condensation disappears.) |
| <ul> <li>Disc is rotating but no picture is produced.</li> <li>Picture quality is poor and picture is shaking.</li> </ul> | <ul> <li>Is the TV power on?</li> <li>Are the video cables connected properly?</li> <li>Is the disc dirty or damaged?</li> <li>A poorly manufactured disc may not be playable.</li> </ul>  |

| Symptom  | Check/Remedy  |
|--|---|
| Audio language and subtitles do not work.  | Audio language and subtitles will not work for DVDs not containing<br>them. And depending on the disc, they may work differently.   |
| Menu screen does not appear even when the menu function is selected.                         | Are you using a disc that does not contain menus?   |
| Aspect ratio cannot be changed.  | You can play 16:9 DVDs in 16:9 WIDE mode, 4:3 LETTER BOX mode, or 4:3 PAN SCAN mode, but 4:3 DVDs can be seen in 4:3 ratio only. Refer to the DVD disc jacket and then select the appropriate function.   |
| The tape does not start  | The TAPE function has not been selected.  |
| playing  | The cassette has not been inserted correctly.   |
| ' ' '  | The cassette player has not been closed.  |
|  | The tape is either slack or broken.   |
| The volume falls off   | The audio heads are dirty.  |
| The cassette is not erased correctly   | The rollers or drive capstans are dirty.  |
| There is excessive wow and flutter   | The tape is worn.   |
| Can't receive radio broadcast.   | Is the antenna connected properly?     If the antenna's input signal is weak, install an external FM antenna in an area with good reception.  |
| The main unit is not working.<br>(Example: The power goes out or<br>strange noise is heard.) | Turn off the power and hold the <b>S.BASS</b> button on the main unit for longer than 5 seconds.  |
| The DVD player is not working normally.  | Using the RESET function will erase all stored settings. Do not use this unless necessary.  |
| The password for rating level has been forgotten.  | While "NO DISC" message appears on the display of main unit, hold the main unit's TUNING MODE/  button for longer than 5 seconds. "INITIAL" appears on the display and all settings will return to the default values.     Press the POWER button.     Using the RESET function will erase all stored settings.     Do not use this unless necessary. |





| ANGLE                        | Recorded onto some DVD discs are scenes which have been simultaneously shot from a number of different angles (the same scene is shot from the front, from the left, from the right, etc.).  With such discs, the Angle button can be used to change the angle of view for specific scenes. |  |
|------------------------------|---|--|
| CHAPTER<br>NUMBER            | These numbers are recorded on DVD discs. A Title is subdivided into many sections, each of which is numbered, and specific parts of the video can be searched quickly using these numbers.  |  |
| DVD                          | A high-density optical disc on which high-quality pictures and sound have been recorded by means of digital signals. Incorporating a new video compression technology (MPEG-2) and high-density recording technology, a DVD disc comprises two 0.6 mm thick discs bonded together.          |  |
| PCM                          | An acronym for Pulse Code Modulation - another name for digital audio.  |  |
| PBC<br>(PLAYBACK<br>CONTROL) | This is recorded on a video CD (version 2.0). Selected scenes or information can be chosen from the menu displayed on the TV monitor.   |  |
| REGION NUMBER                | Both the DVD player and DVD discs are encoded with a region number. If the region number on the DVD disc does not correspond to the region number of the DVD player, the player cannot play the disc.   |  |
| SUBTITLES                    | Translated appearing at the bottom of the screen. A DVD disc can contain up to 32 subtitle languages.   |  |
| TITLE NUMBER                 | These numbers are recorded on DVD discs. When a disc contains two or more movies, these movies are numbered as Title 1, Title 2, etc.   |  |
| TRACK NUMBER                 | These numbers are assigned to the tracks which are recorded on video and audio CDs. They enable specific tracks to be located quickly.  |  |
| VIDEO CD                     | Contains recordings of pictures and sound whose quality is roughly comparable to that of video tape.  This player also supports video CDs with playback control (version 2.0).  |  |
| DIGITAL                      | 5.1 (or 6) Channel Digital Surround sound reproduced from DVDs and LDs recorded as a digital signals (with There is a disc marking). With better sound quality, dynamic range, and directionality than traditional Dolby surround technology, you can enjoy dynamic, realistic sound.       |  |

| RADIO                     |   |
|---------------------------|---|
| LW(option)                |   |
| Usable sensitivity        | 60 dB   |
| SW(option)                |   |
| Usable sensitivity        | 40 dB   |
| AM (MW)                   |   |
| Signal/noise ratio        | 40 dB   |
| Usable sensitivity        | 54 dB   |
| Total harmonic distortion | 2 %   |
| FM                        |   |
| Signal/noise ratio        | 62 dB   |
| Usable sensitivity        | 10 dB   |
| Total harmonic distortion | 0.3 %   |
|                           |   |
| COMPACT DISC PLAYER       |   |
| Capacity                  | 3 discs   |
| Frequency range           | 20 Hz - 20 KHz (± 1 dB)                               |
| Signal/noise ratio        | 90 dB (at 1 KHz) with filter                          |
| Distortion                | 0.05 % (at 1 KHz)                                     |
| Channel separation        | 74 dB   |
| Disc sizes                | Diameter: 120 or 80 mm. Thickness: 1.2 mm             |
|                           |   |
| TAPE DECK                 |   |
| Frequency range           | 125 Hz ~ 8 KHz  |
| Signal/noise ratio        | 40 dB   |
| Channel separation        | 35 dB   |
| Erasing effect            | 50 dB   |
| AMPLIFIER                 |   |
| Output power (6 Ω)        | 50 Watts/CH RMS,IEC (total harmonic distortion: 10 %) |
| Channel separation        | 45 dB   |
| Signal/noise ratio        | 75 dB   |
|                           |   |
| GENERAL                   |   |
| Power Consumption         | 100 W   |
| Dimensions                | 270 (W) x 317 (H) x 370 (D) mm                        |